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July 7, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Applicant: HALL, ET AL.  
Title: MODULAR LINEAR MOTOR WITH LIMITED  
STATOR EXCITATION ZONE AND STATOR  
GAP COMPENSATION  
Serial No.: 10/783,794  
Filed: February 20, 2004  
Art Unit: 2834  
Examiner: (not yet assigned)  
Docket No.: 03-390-US

Dear Sir:

Enclosed are the following for filing in connection with the above application:

1. An Information Disclosure Statement;
2. A Form PTO-1449 with references cited thereon with attached references; and
3. A self-addressed stamped postcard, return of which is requested to acknowledge receipt of the enclosed documents.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being

**MAILED**

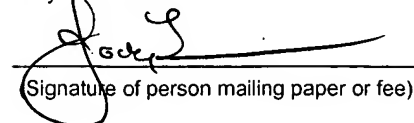
☒ Deposited with the United States Postal Service on July 7, 2004 with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**FACSIMILE**

☐ transmitted by facsimile on [date] to the U.S. Patent and Trademark Office.

Jody L. Burtner

Type Signature Name

  
(Signature of person mailing paper or fee)

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Commissioner for Patents  
July 7, 2004  
Page 2

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The Commissioner is authorized to charge any payment due in connection with this submission, or to credit any overpayment to Deposit Account No. 18-0582. A duplicate copy of this authorization is enclosed.

Very truly yours,

REED SMITH LLP

By   
Robert D. Kucler  
Reg. No. 45,908



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**HALL et al**

Serial No.: 10/783,794

Filed: February 20, 2004

Art Unit: 2834

Examiner: (Not Yet Assigned)

Atty. Docket No.: 03-390-US

**MODULAR LINEAR ELECTRIC MOTOR  
WITH LIMITED STATOR  
EXCITATION ZONE AND STATOR  
GAP COMPENSATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on the enclosed Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being

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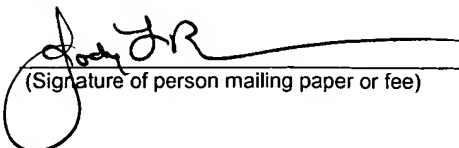
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Type Signature Name

Jody L. Burtner

  
(Signature of person mailing paper or fee)

\_\_\_\_\_  
(Signature of person mailing paper or fee)

1. ☒ Enclosed is PTO Form 1449 (and a duplicate thereof).
2. ☐ Items listed on the enclosed Form PTO-1449 are not in the English language.
  - ☐ For each of the following items, an English-language translation of that item or a portion thereof or a concise explanation of the relevance of that item is enclosed:
  - ☐ For each of the following items, a concise explanation of that item is incorporated in the specification of the above-identified application:
  - ☐ For each of the following items, a corresponding U.S. or other English-language patent is enclosed. Please consider the U.S. or other English-language patents in accordance with the procedure set forth in MPEP § 609:

3. ☐ **Submission in Accordance with 37 CFR § 1.98(d).**

Any copy of the items listed on the enclosed Form PTO-1449 that is not enclosed with this Information Disclosure Statement was previously cited by or submitted to the Patent and Trademark Office in Application Serial No. [Ser. No.], filed [Date], of which the present application relies upon for an earlier filing date under 35 U.S.C. 120.

4. ☒ **Submission in Accordance with 37 CFR § 1.97(b).**

This Information Disclosure Statement is being filed

- ☐ With the application;
- ☐ Within three months of the filing date of a national application;
- ☐ Within three months of the date of entry of the national stage in an international application; or
- ☒ Before the mailing date of a first Office Action on the merits,

and NO FEE is due for consideration of this Information Disclosure Statement.

5. ☐ **Submission in Accordance with 37 CFR 1.97(c).**

This Information Disclosure Statement is being filed before the first mailing date of either

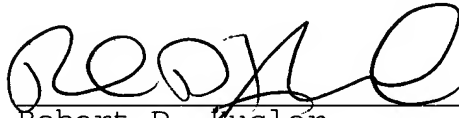
- ☐ A final action under § 1.113; or
- ☐ A notice of allowance under § 1.311.
- ☐ A fee is due for consideration of this Information Disclosure Statement and the fee is paid below; or
- ☐ This Information Disclosure Statement is accompanied by one of the certifications pursuant to 37 CFR § 1.97(e), and NO FEE is due for consideration of this Information Disclosure Statement.
6. ☐ **Submission in Accordance with 37 CFR 1.97(d).**
- This Information Disclosure Statement is being filed after the mailing date of either
- ☐ A final action under § 1.113; or
- ☐ A notice of allowance under § 1.311,
- whichever comes first, but before payment of the issue fee, and is accompanied by
- a. One of the certifications pursuant to 37 CFR § 1.97(e), which is set forth below;
- b. The attached petition requesting consideration of this Information Disclosure Statement; and
- c. The petition fee under 37 CFR § 1.17(i)(1), which is paid below.
7. ☐ **Certification Pursuant to 37 CFR 1.97(e).**
- ☐ The undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ The undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

8. Fee Payment Being Made.

- ☐ Enclosed
- ☐ \$180.00 fee for submission under 37 CFR § 1.97(c).
- ☐ \$180.00 fee for submission under 37 CFR § 1.97(d).
- ☐ A check in the amount of \$[Amount] to cover the fee payment is enclosed.
- ☐ Charge the fee to Deposit Account No. 18-0582. A duplicate copy of this communication is attached.
- ☒ The Director is hereby authorized to charge payment of any additional fees associated with this Information Disclosure Statement or credit any overpayment to Deposit Account No. 18-0582. A duplicate copy of this communication is enclosed.

Respectfully submitted,

Dated: July 7, 2004



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Attorney for Applicants

ATTY. DOCKET NO.  
03-390-US

SER. NO.  
10/783,794

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

HALL et al

FILING DATE

February 20, 2004

GROUP

2834

(37 CFR 1.98(b))

### U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	Patent Number	Issue Date	Patentee	Class/ Subclass	Filing Date
	1.	1,931,997	10/1933	Schmidt		
	2.	2,408,759	10/1946	Dunlop		
	3.	3,896,736	7/1975	Hamy		
	4.	5,158,156	10/1992	Okuma et al.		
	5.	5,183,980	2/1993	Okuma et al.		
	6.	5,203,432	4/1993	Grinaski		
	7.	5,234,079	8/1993	Nomura		
	8.	5,235,144	8/1993	Nomura		
	9.	5,288,956	2/1994	Kadokura et al.		
	10.	5,751,076	5/1998	Zhou		
	11.	5,831,353	11/1998	Bolding et al.		
	12.	5,949,036	9/1999	Kowalczyk et al.		
	13.	6,189,657	2/2001	Jessenberger		
	14.	6,305,501	10/2001	Kahkipuro et al.		
	15.	20020197174	12/2002	Howard		

### FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initial	Cite No.	Document Number	Publication Date	Country or Patent Office	Class/ Subclass	Translation Yes/No

### OTHER DOCUMENTS

(Including Author, Title, Date, Relevant Pages, Place of Publication)

Examiner Initial	Cite No.	

EXAMINER	DATE CONSIDERED

**EXAMINER:** Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.